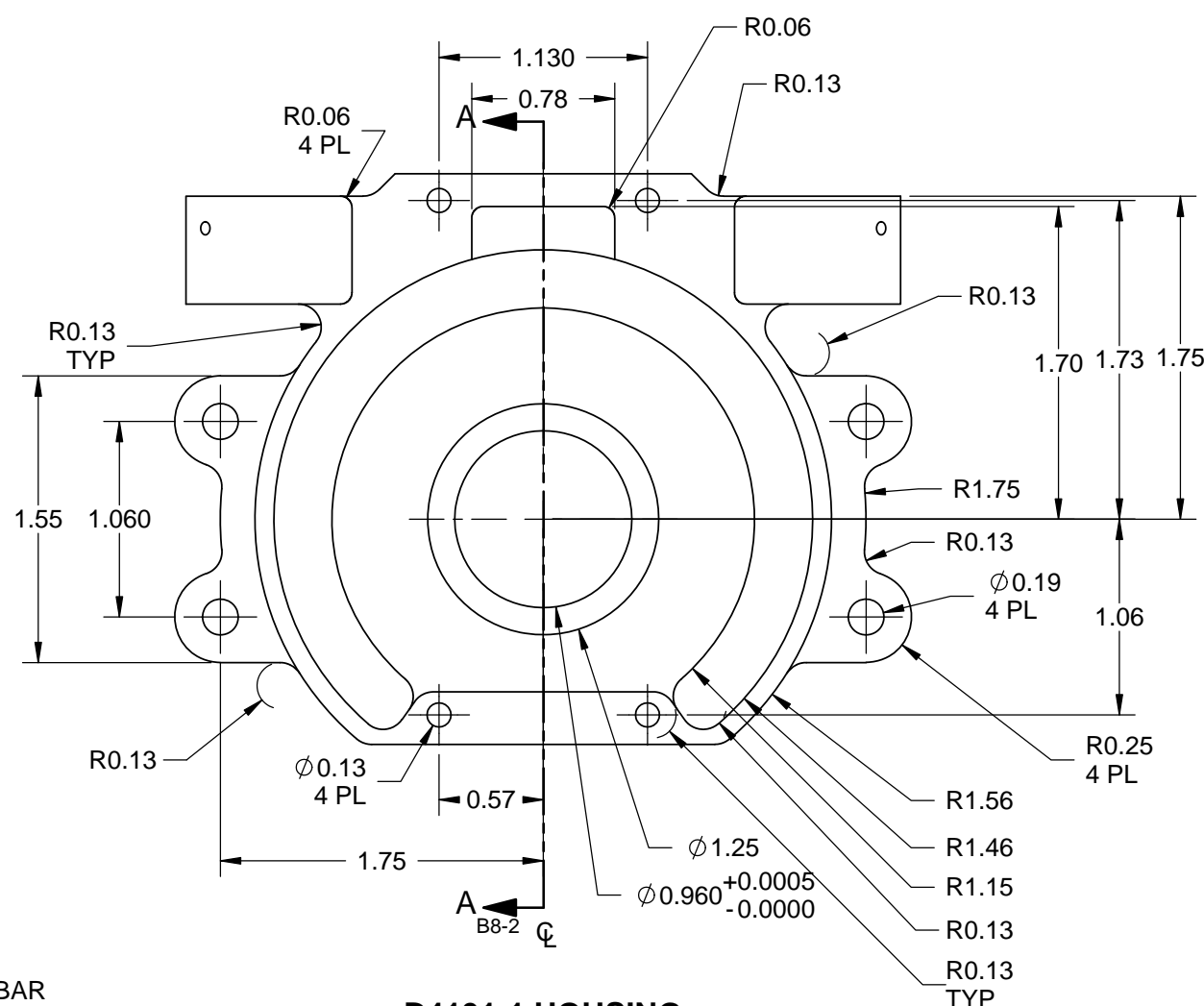
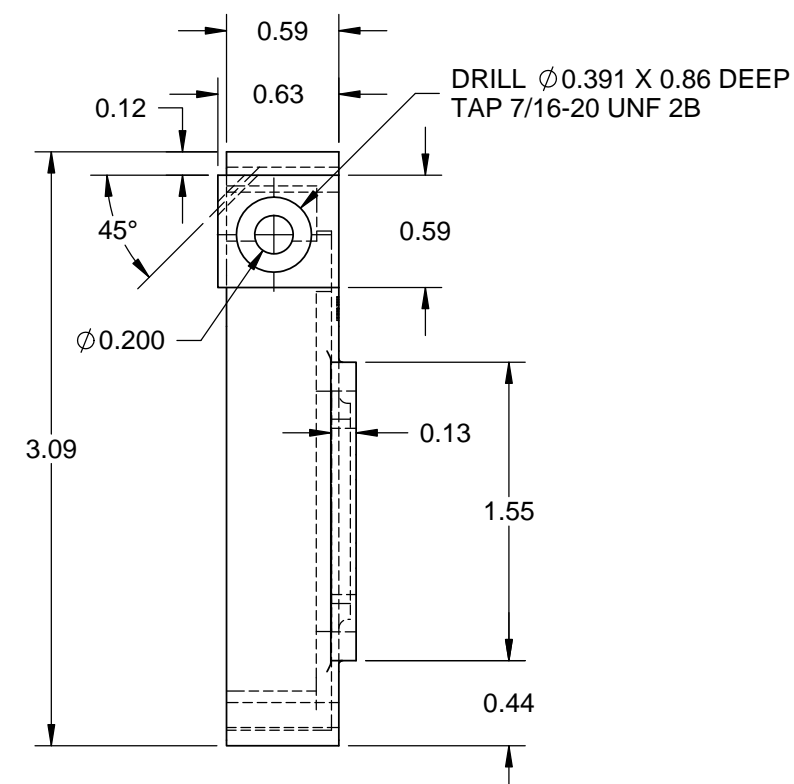


SECTION A-A A5-2



D4191-1 HOUSING







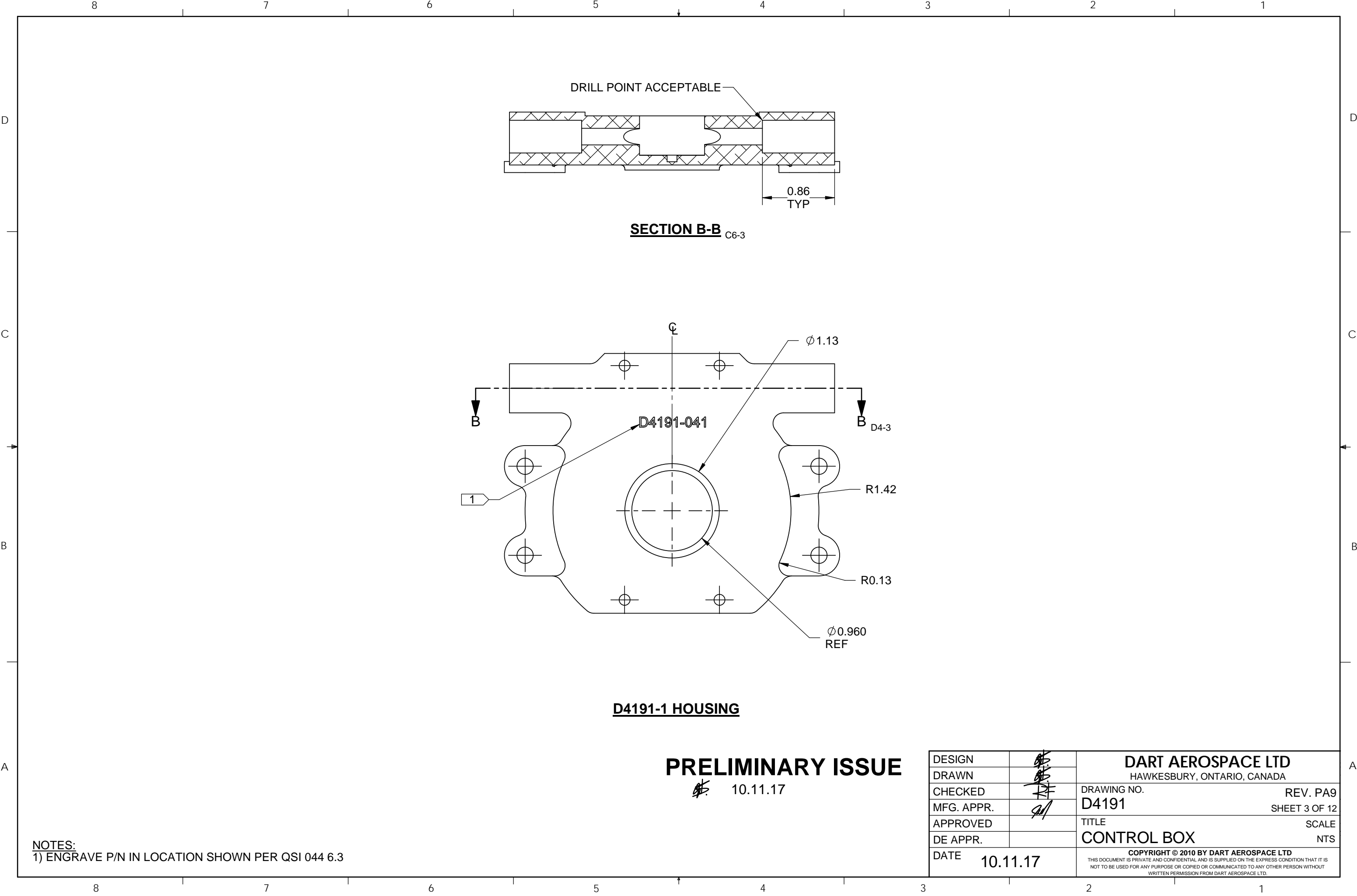
NOTES:

- NOTES:**
- 1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8
OR AMS 4160
OR ASTM B211 OR ASTM B221
REF DART SPEC M6061T6B
 - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 0.31 lbs

PRELIMINARY ISSUE

~~15~~ 10.11.17

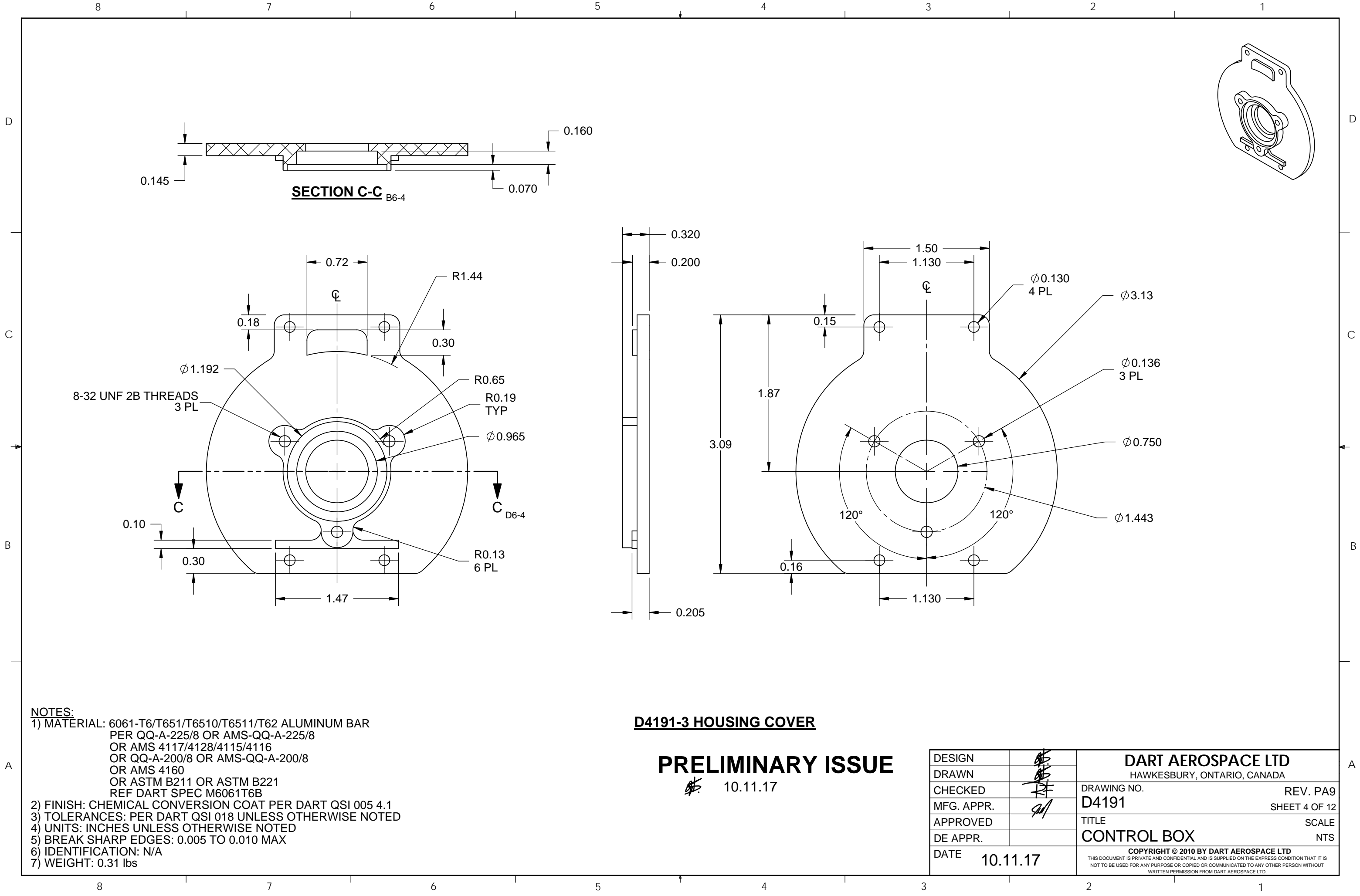
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN		
CHECKED		DRAWING NO. REV. PAS
MFG. APPR.		D4191 SHEET 2 OF 12
APPROVED		TITLE SCALE
DE APPR.		CONTROL BOX NTS
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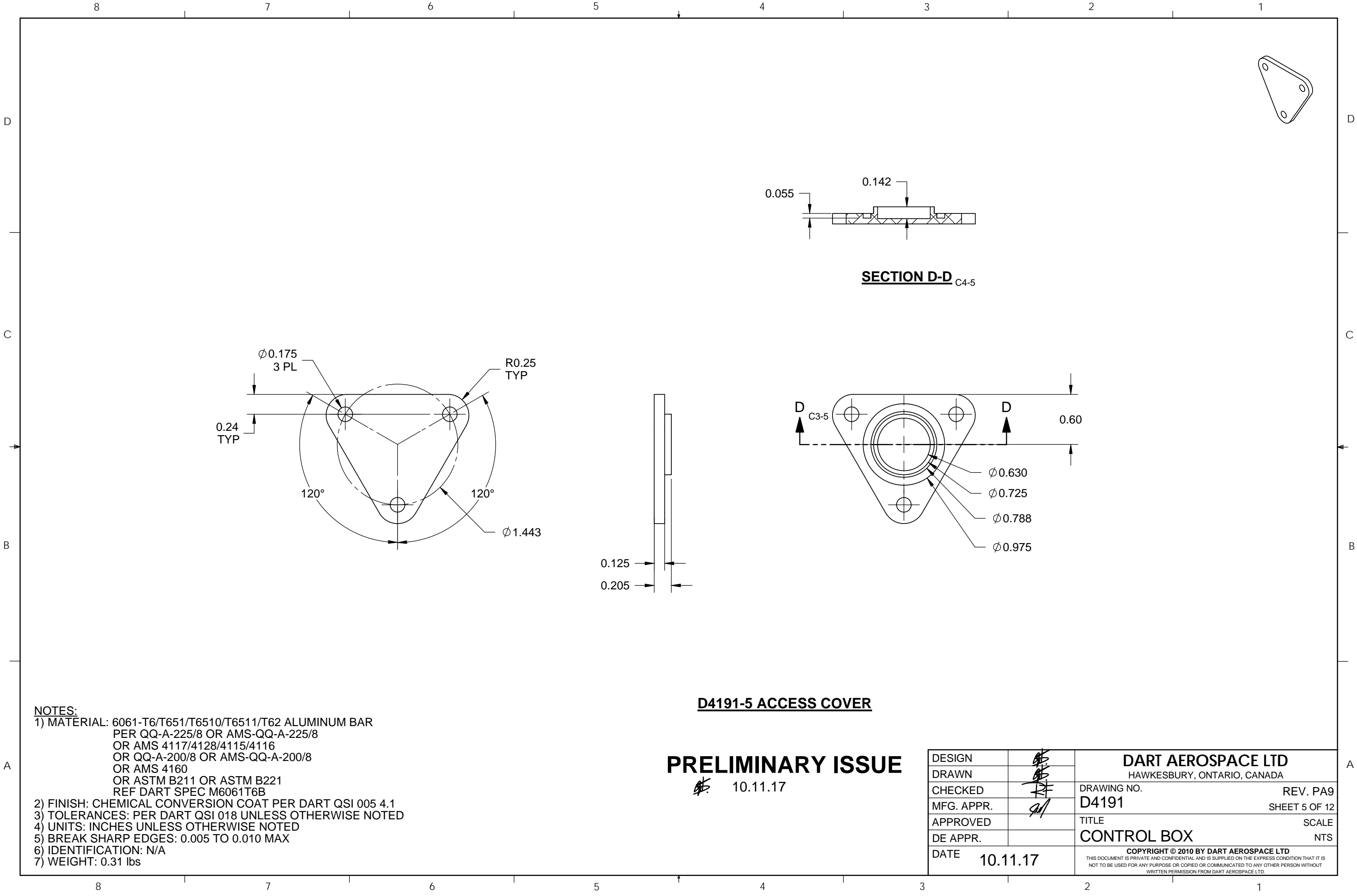


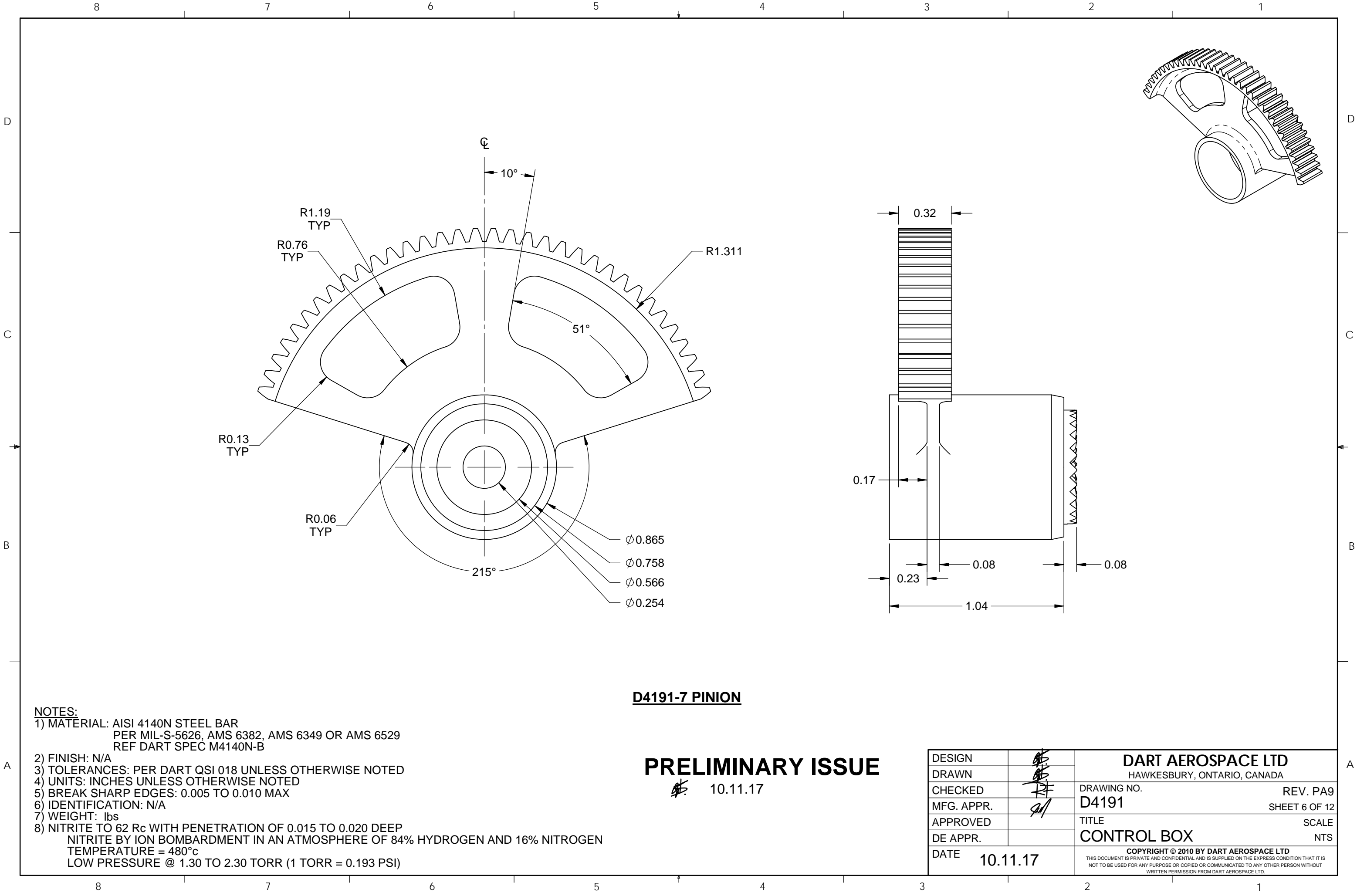
NOTES:
1) ENGRAVE P/N IN LOCATION SHOWN PER QSI 044 6.3

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MFG. APPR.		D4191	SHEET 3 OF 12
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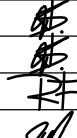
NOTES:

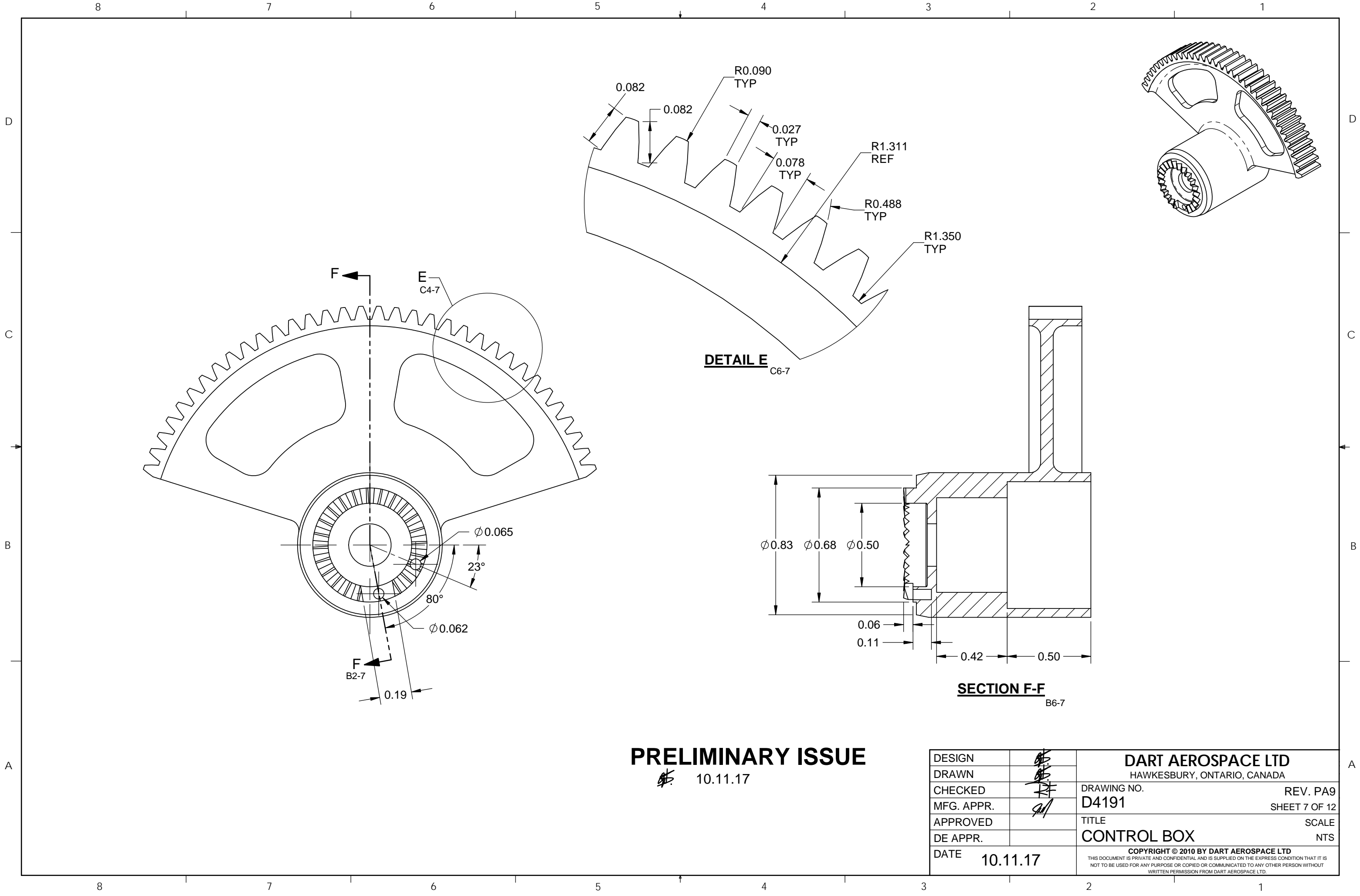
- 1) MATERIAL: AISI 4140N STEEL BAR
PER MIL-S-5626, AMS 6382, AMS 6349 OR AMS 6529
REF DART SPEC M4140N-B
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: lbs
- 8) NITRITE TO 62 Rc WITH PENETRATION OF 0.015 TO 0.020 DEEP
NITRITE BY ION BOMBARDMENT IN AN ATMOSPHERE OF 84% HYDROGEN AND 16% NITROGEN
TEMPERATURE = 480°C
LOW PRESSURE @ 1.30 TO 2.30 TORR (1 TORR = 0.193 PSI)

D4191-7 PINION

PRELIMINARY ISSUE

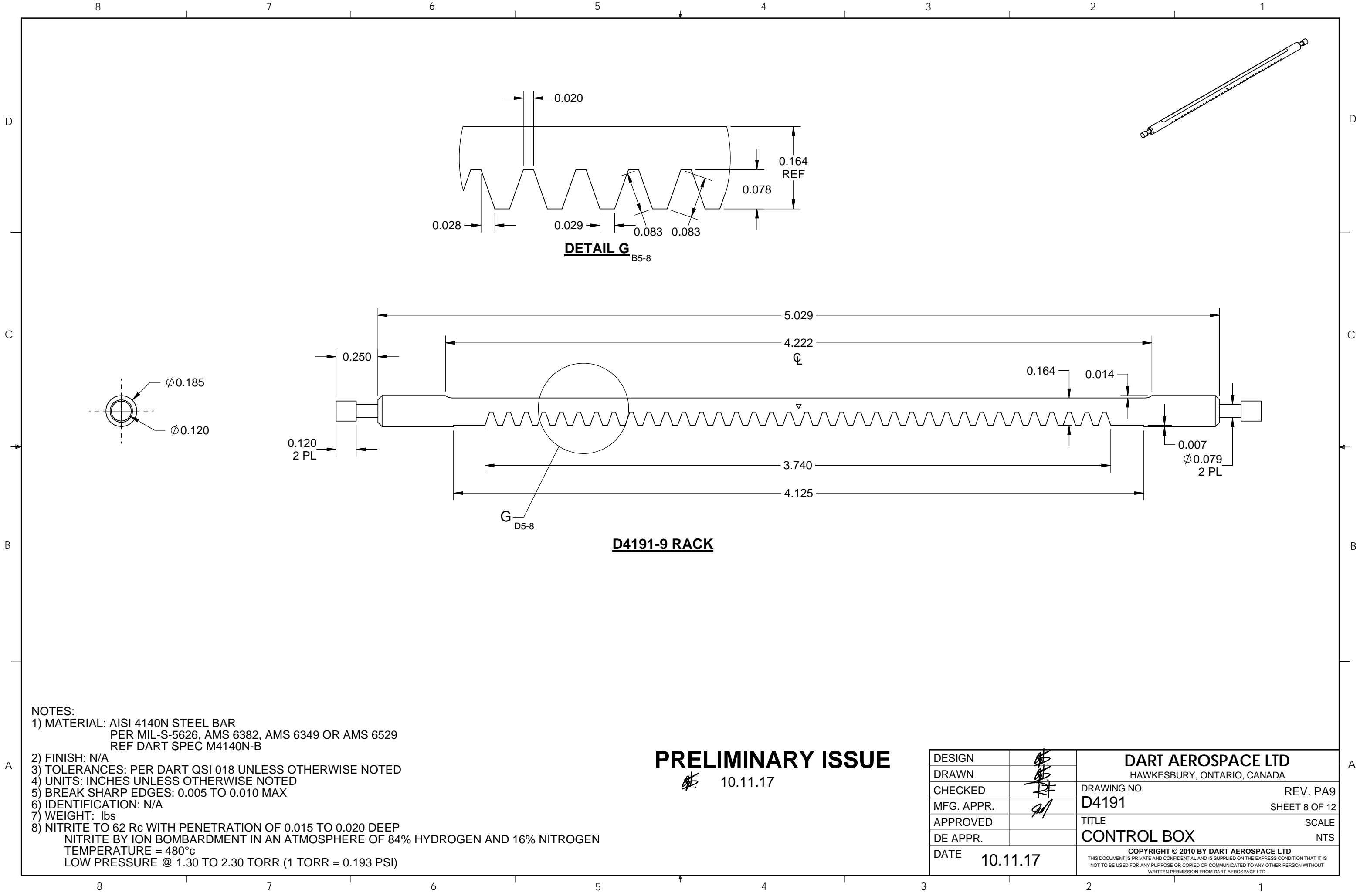
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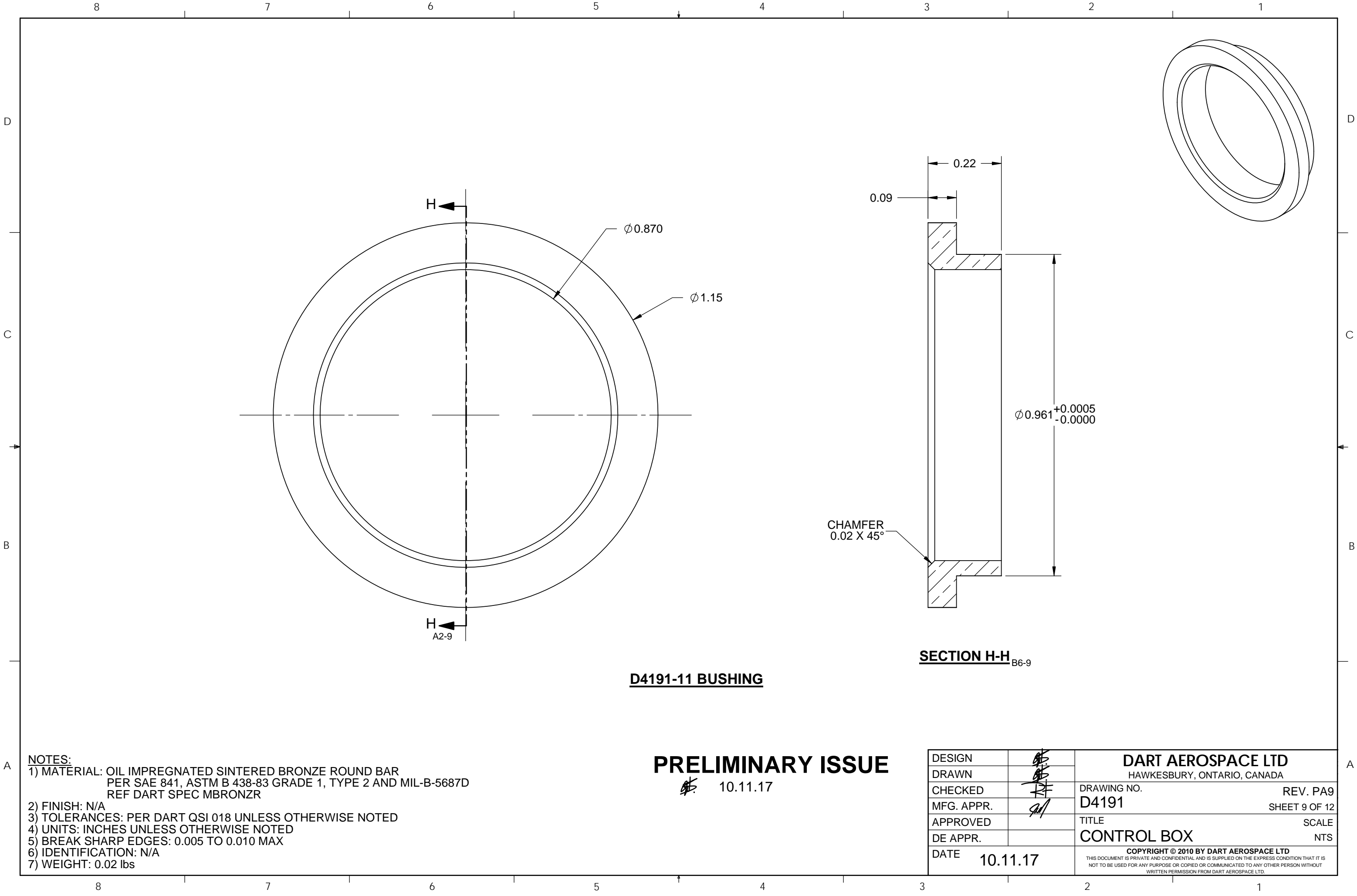
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. PA9
MFG. APPR.		D4191	SHEET 6 OF 12
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DE APPR.			
DATE	10.11.17		





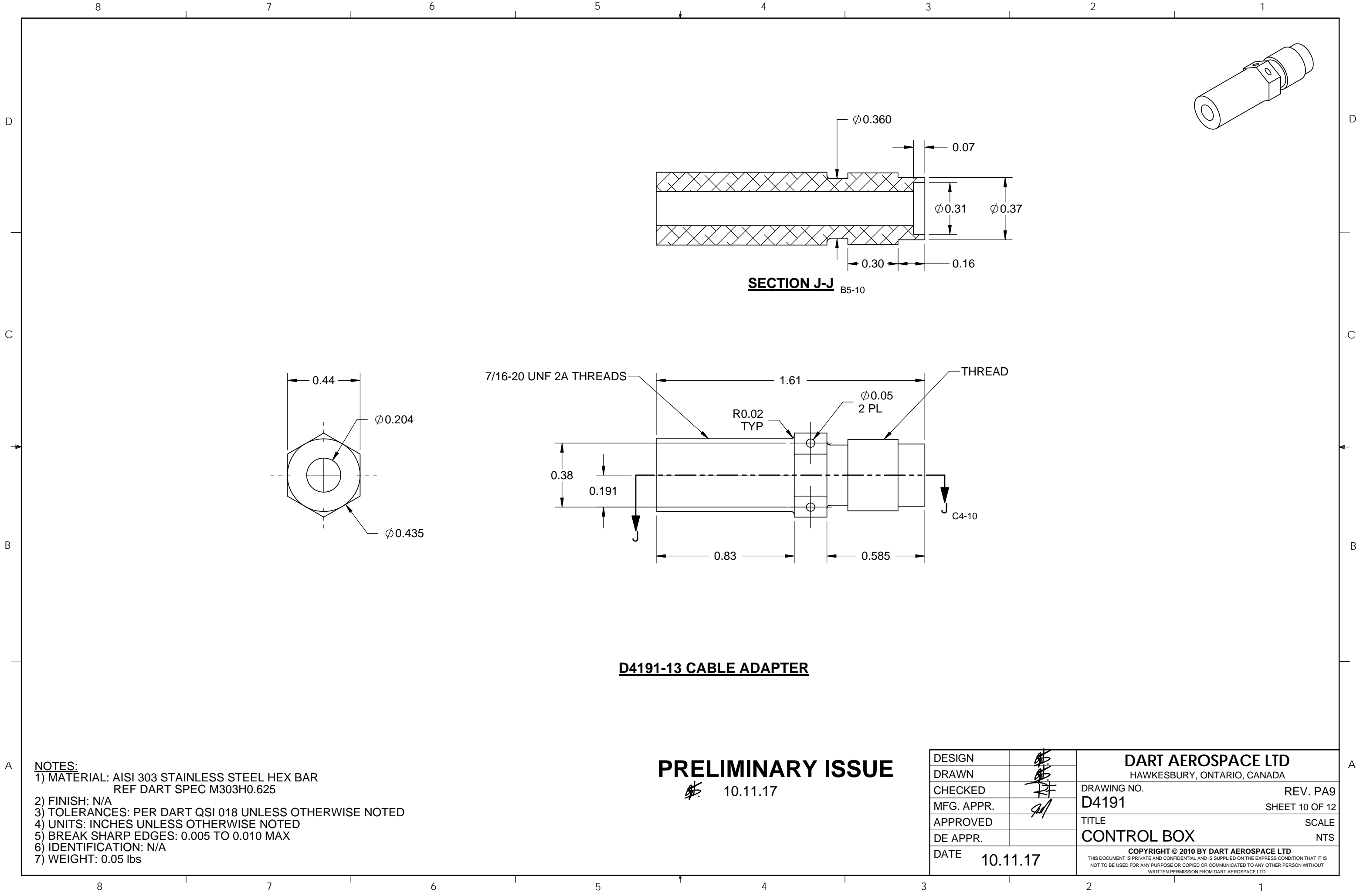
D4191-11 BUSHING

SECTION H-H B6-9

- NOTES:
- 1) MATERIAL: OIL IMPREGNATED SINTERED BRONZE ROUND BAR
PER SAE 841, ASTM B 438-83 GRADE 1, TYPE 2 AND MIL-B-5687D
REF DART SPEC MBRONZR
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 0.02 lbs

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MFG. APPR.		D4191	SHEET 9 OF 12
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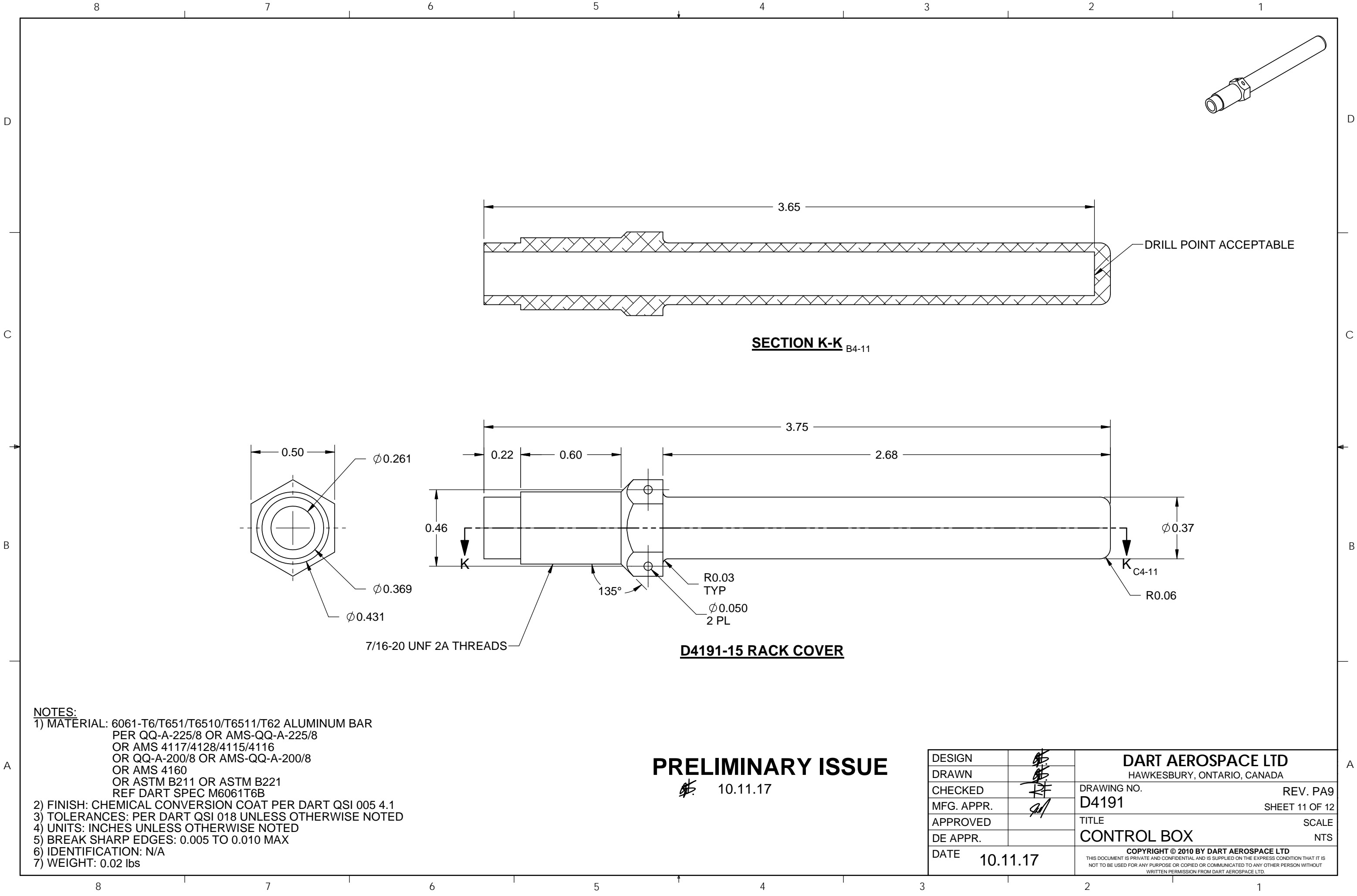


- NOTES:
- 1) MATERIAL: AISI 303 STAINLESS STEEL HEX BAR
REF DART SPEC M303H0.625
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 0.05 lbs

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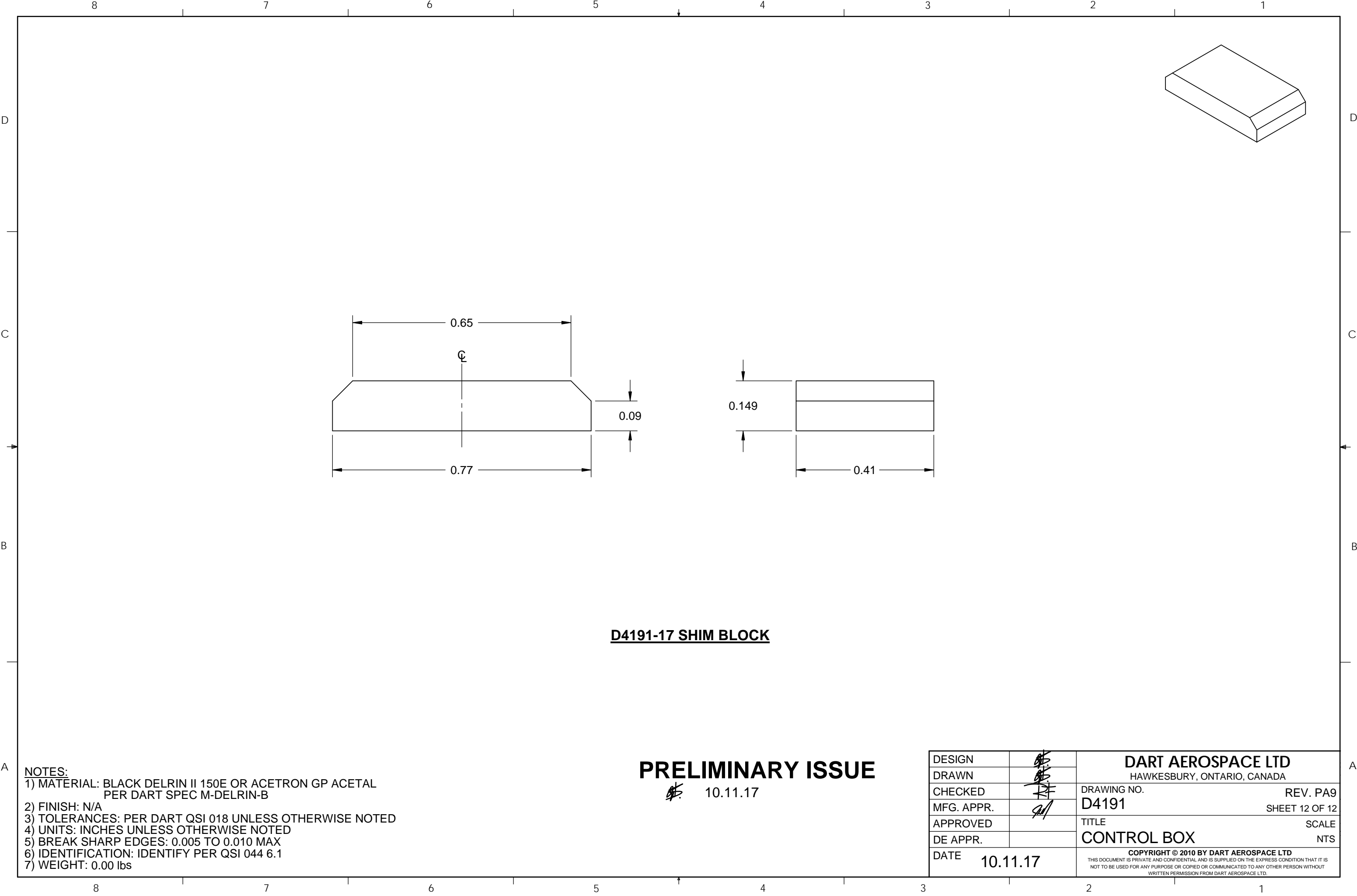


- NOTES:
- 1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8
OR AMS 4160
OR ASTM B211 OR ASTM B221
REF DART SPEC M6061T6B
 - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 0.02 lbs

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10.11.17

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CHECKED		DRAWING NO. D4191	REV. PA9 SHEET 11 OF 12
MFG. APPR.		TITLE CONTROL BOX SCALE NTS	
APPROVED			
DE APPR.		DATE 10.11.17	
DATE			
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D4191-17 SHIM BLOCK

PRELIMINARY ISSUE

10.11.17

- NOTES:**
- 1) MATERIAL: BLACK DELRIN II 150E OR ACETRON GP ACETAL
PER DART SPEC M-DELRIN-B
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 0.00 lbs

DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
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